```java
package semaphore.trafficLight.control;

import java.util.Timer;
import java.util.TimerTask;

import semaphore.trafficLight.TrafficLight;
import semaphore.util.TurnOnOff;

public class SimpleTrafficLightControl implements TrafficLightControl {

    private State state = State.OFF;
    private final TrafficLight trafficLight;
    private final TurnOnOff green, yellow, red;

    public SimpleTrafficLightControl (TrafficLight trafficLight)
    {
        this.trafficLight = trafficLight;

        this.green = trafficLight.spotGreen();
        this.yellow = trafficLight.spotYellow();
        this.red = trafficLight.spotRed();
    }

    @Override
    public void turnAlert() {

        if(state == State.ALERT)
            return;

        this.reset();
        this.configureAlert();
        state = State.ALERT;

    }

    private Timer timer = null;

    private void configureAlert() {

        timer = new Timer();
        timer.scheduleAtFixedRate(new TimerTask() {

            @Override
            public void run() {
                trafficLight.spotRed().turnOff();
                trafficLight.spotGreen().turnOff();

                if (trafficLight.spotYellow().isOn())
                    trafficLight.spotYellow().turnOff();
                else
                    trafficLight.spotYellow().turnOn();
            }
        }, 0, 1_000);
    }

    private void stopAlert() {

        if (timer != null) {
            timer.cancel();

            trafficLight.spotYellow().turnOff();

        }
    }
```

```java
67 private void reset() {
68
69  if (state == State.ALERT)
70   stopAlert();
71
72  green.turnOff();
73  yellow.turnOff();
74  red.turnOff();
75
76  state = State.OFF;
77 }
78
79 @Override
80 public void turnGreen() {
81
82  this.reset();
83  trafficLight.spotGreen().turnOn();
84  state = State.GREEN;
85 }
86
87 @Override
88 public void turnYellow() {
89
90  this.reset();
91  trafficLight.spotYellow().turnOn();
92  state = State.YELLOW;
93 }
94
95 @Override
96 public void turnRed() {
97
98  this.reset();
99  trafficLight.spotRed().turnOn();
100  state = State.RED;
101 }
102
103 @Override
104 public void turnOff() {
105
106  this.reset();
107 }
108
109 }
110
```